Reduce lambda term to the normal form:

$$((\lambda a.(\lambda b.b\ b)\ (\lambda b.b\ b))\ b)\ ((\lambda c.(c\ b))\ (\lambda a.a)) \rightarrow_{\beta}$$

$$\rightarrow_{\beta} ((\lambda b.b\ b)\ (\lambda b.b\ b))\ ((\lambda c.(c\ b))\ (\lambda a.a)) \rightarrow_{\beta}$$

$$\rightarrow_{\beta} ((\lambda b.b\ b)\ (\lambda b.b\ b))\ ((\lambda a.a)\ b) \rightarrow_{\beta}$$

$$\rightarrow_{\beta} ((\lambda b.b\ b)\ (\lambda b.b\ b))\ b \equiv$$

$$\equiv \Omega\ b$$